

Building Skills In Division Short Division

Scene #	Description	Narration
1	A picture of an astronaut in space is on screen the division problem the narrator is talking about is shown. The problems appear on screen as the narrator says them.	<p>HERE'S A NEW KIND OF DIVISION PROBLEM.</p> <p>10 IS THE FIRST SMALL NUMBER.</p> <p>57 IS THE BIG NUMBER, BUT IT'S NOT A BIG NUMBER</p> <p>FOR ANY TENS FACT.</p> <p>50 IS THE CLOSEST WE CAN GET WITH A TENS FACT.</p> <p>IN THIS NUMBER FAMILY, WHAT'S THE MISSING SMALL NUMBER?</p> <p>IT'S 5.</p> <p>WE WRITE THE NUMBER FAMILY LIKE THIS.</p> <p>WITH THE 5 OVER THE LAST DIGIT OF 57,</p> <p>AND THE 50 BELOW.</p> <p>TO FIND OUT HOW MANY ARE LEFT OVER,</p> <p>WE SUBTRACT.</p> <p>57 MINUS 50.</p> <p>HOW MANY IS THAT?</p> <p>7.</p> <p>THAT'S THE REMAINDER.</p> <p>SO WE WRITE "R" FOR "REMAINDER," AND 7.</p> <p>NEW PROBLEM.</p> <p>5 IS THE FIRST SMALL NUMBER.</p> <p>42 IS THE BIG NUMBER, BUT IT'S NOT A BIG NUMBER</p>

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		<p>FOR ANY FIVES FACT.</p> <p>WHAT'S THE CLOSEST WE CAN GET TO 42 WITH A FIVES FACT?</p> <p>40 IS THE CLOSEST FIVES FACT.</p> <p>IN THIS NUMBER FAMILY, WHAT'S THE MISSING SMALL NUMBER?</p> <p>IT'S 8.</p> <p>HERE'S HOW WE WRITE THE NUMBER FAMILY.</p> <p>TO FIND OUT HOW MANY ARE LEFT OVER, WE SUBTRACT.</p> <p>42 MINUS 40.</p> <p>HOW MANY IS THAT?</p> <p>2 ARE LEFT OVER.</p> <p>WE WRITE "R" FOR "REMAINDER," AND 2.</p>
2	A teenage girl pops up on the side of the screen her arms are out to the side presenting the next problem that appears on the screen. The girl pops out of the picture as the narrator walks through the division problem on screen.	<p>[kazoo sound]</p> <p>male narrator: HERE'S A NEW KIND OF DIVISION PROBLEM.</p> <p>846 DIVIDED BY 2.</p> <p>WHEN WE WORK THE PROBLEM, WE DIVIDE FOR EACH DIGIT OF 846.</p> <p>WHAT'S THE FIRST DIGIT OF 846?</p> <p>WE'RE DIVIDING THE 8 BY 2, SO THE DIVISION PROBLEM</p> <p>IS 8 DIVIDED BY 2.</p> <p>WHAT'S THE ANSWER?</p>

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		<p>THE ANSWER IS 4, AND WE WRITE IT ABOVE THE 8.</p> <p>NOW WE WORK THE NEXT DIGIT OF 846.</p> <p>WHAT DIGIT?</p> <p>WE'RE DIVIDING 4.</p> <p>SAY THE DIVISION PROBLEM.</p> <p>4 DIVIDED BY 2.</p> <p>WHAT'S THE ANSWER?</p> <p>THE ANSWER IS 2.</p> <p>AND WHERE DO WE WRITE IT?</p> <p>ABOVE THE 4.</p> <p>NOW WE WORK THE LAST DIGIT OF 846.</p> <p>WHAT DIGIT?</p> <p>WE'RE DIVIDING 6.</p> <p>SAY THE DIVISION PROBLEM.</p> <p>6 DIVIDED BY 2.</p> <p>WHAT'S THE ANSWER?</p> <p>THE ANSWER IS 3.</p> <p>WHERE DO WE WRITE IT?</p> <p>ABOVE THE 6.</p> <p>WE'VE WORKED ALL THE DIGITS.</p> <p>WE'RE DONE.</p>
3	An image like a chalkboard with a purple frame around it is on screen with a cartoon character with bright orange hair in the bottom right corner.	TO WORK PROBLEMS LIKE THIS, WE WORK THE DIVISION PROBLEM

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		<p>FOR EACH DIGIT OF THE NUMBER UNDER THE DIVISION SIGN.</p> <p>WE WRITE THE ANSWER ABOVE THAT DIGIT.</p> <p>[explosion]</p> <p>NOW THE PROBLEM UNDER THE DIVISION SIGN HAS A ZERO IN IT.</p> <p>0 DIVIDED BY ANY NUMBER IS 0.</p> <p>0 DIVIDED BY 2 IS 0.</p> <p>0 DIVIDED BY 5 IS ZERO.</p> <p>0 DIVIDED BY 9 IS 0.</p> <p>LET'S WORK THIS PROBLEM.</p> <p>SAY THE DIVISION PROBLEM AND ANSWER FOR THE FIRST DIGIT OF 406.</p> <p>4 DIVIDED BY 2.</p> <p>WHAT'S THE ANSWER?</p> <p>WHERE DO WE WRITE THE 2?</p> <p>WE WRITE THE ANSWER ABOVE THE 4.</p> <p>SAY THE DIVISION PROBLEM AND ANSWER FOR THE NEXT DIGIT.</p> <p>0 DIVIDED BY 2 IS 0.</p> <p>WHERE DO WE WRITE THE ANSWER?</p> <p>ABOVE THE 0.</p> <p>SAY THE DIVISION PROBLEM AND ANSWER FOR THE LAST DIGIT.</p>
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		<p>6 DIVIDED BY 2.</p> <p>WHAT'S THE ANSWER?</p> <p>WHERE DO WE WRITE THE 3?</p> <p>ABOVE THE 6.</p> <p>406 DIVIDED BY 2 EQUALS 203.</p> <p>- REMEMBER, 0 DIVIDED BY ANY NUMBER IS 0.</p>
4	A polka dot background appears. A variety of division problems show up.	<p>[shimmering tone]</p> <p>HERE ARE SOME DIVISION PROBLEMS YOU'RE GOING TO WORK.</p> <p>IN SOME PROBLEMS, THE FIRST TWO DIGITS ARE UNDERLINED.</p> <p>IN SOME PROBLEMS, ONLY THE FIRST DIGIT IS UNDERLINED.</p> <p>YOU'RE GOING TO SAY THE DIVISION PROBLEM FOR THE UNDERLINED PART.</p> <p>IF TWO DIGITS ARE UNDERLINED, YOU SAY THE PROBLEM FOR TWO DIGITS.</p> <p>WHAT'S THE UNDERLINED PART?</p> <p>THE PROBLEM SAYS 12 DIVIDED BY 2.</p> <p>NEXT PROBLEM.</p> <p>SAY THE DIVISION PROBLEM FOR THE UNDERLINED PART.</p> <p>16 DIVIDED BY 2.</p> <p>NEXT PROBLEM.</p> <p>SAY THE DIVISION PROBLEM FOR THE UNDERLINED PART.</p>

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		<p>6 DIVIDED BY 2.</p> <p>NEXT PROBLEM.</p> <p>SAY THE DIVISION PROBLEM FOR THE UNDERLINED PART.</p> <p>10 DIVIDED BY 2.</p> <p>NEXT PROBLEM.</p> <p>SAY THE DIVISION PROBLEM FOR THE UNDERLINED PART.</p> <p>2 DIVIDED BY 2.</p> <p>NEXT PROBLEM.</p> <p>SAY THE DIVISION PROBLEM FOR THE UNDERLINED PART.</p> <p>12 DIVIDED BY 4.</p> <p>IN THIS PROBLEM, THE DIVISION PROBLEM FOR THE UNDERLINED PART IS 12 DIVIDED BY 2.</p> <p>WHAT'S THE ANSWER?</p> <p>WE WRITE THE ANSWER 6 ABOVE THE SECOND DIGIT OF 12.</p> <p>THE NEXT DIVISION PROBLEM SAYS 0 DIVIDED BY 2.</p> <p>WHAT'S THE ANSWER?</p> <p>WE WRITE THE 0 ABOVE THE 0.</p> <p>- ALL DONE.</p>
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